

APPARATUS AND METHOD FOR STRETCH-WRAPPING ARTICLES

Abstract of the Disclosure

Apparatus and process for stretch wrapping articles, especially heads of lettuce, wherein a roll (23) of film (24) is supported on a housing (21), and the film is supplied from the roll around a dancer roller (50) and film feed roller (51) to a pair of film feed grippers (33, 34) which grip a leading edge of the film and advance it past an opening (26),
5 whereupon a clamp (27) engages the leading edge of the film to hold it while the grippers release and return to their home position. Additional clamps (28-32) then engage the film to hold it in place over the opening. A head of lettuce (L) is placed on the film in centered relation to the opening, and a ram (37) engages the lettuce and pushes it against the film to stretch the film through and below the opening. Gathering bars (38, 39) engage the film
10 stretched between the opening and the head of lettuce to gather the film in a first direction, and a U-channel (40) and sealing and trimming mechanism (41) gather the film in a second direction to produce a narrow necked down section of gathered film, fuse and seal the necked down section to produce a wrapped head of lettuce, trim excess film from the lettuce, and release the wrapped head of lettuce to drop onto a take away conveyor. The
15 film (24) is a polyethylene based multi-layer film with an outer polypropylene layer for added gloss, slip and clarity, has a 300% stretch capability, is FDA approved for direct food contact, has an anti-fog additive for moisture dissipation during temperature fluctuations, is thirteen microns thick, and has a width of sixteen inches.